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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Slivka et al.

Application No. 09/898,702

Filed: July 2, 2001

Confirmation No. 4420

For: DISTRIBUTING SOFTWARE VIA
     DISTRIBUTION FILES

Examiner: Robert B. Harrell

Art Unit: 2142

Attorney Reference No. 3382-59319-01

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REPLY BRIEF

This Reply Brief is in response to the Examiner's Answer mailed December 17, 2004.

CONTENTS

I. REPLY TO EXAMINER'S ANSWER

A. The Rejections of Claims 28-35 and 37-56 Under 35 U.S.C. § 102(e) as Being Anticipated by Fawcett Should Be Reversed.

The rejections of claims 28-35 and 37-56 should be reversed and the claims should be passed to issue.

Claims 28-35 and 37-56 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 5,845,077 to Fawcett ("Fawcett"). The Examiner believes the rejections of the pending claims should be sustained. [*See* Examiner's Answer of December 17, 2004 ("the Answer"), at p. 5.] Appellants respectfully disagree. The Examiner has not carried the burden of showing the cited art teaches each and every element of claims 28-35 and 37-56. In particular, the Examiner has not shown that Fawcett teaches the cited language of the claims.

B. Reply to Examiner's "Grounds of Rejection"

Applicants respectfully traverse each of the Examiner's "Grounds of Rejection." [*See* Answer at pp. 3-4.] Applicants respectfully disagree with the Examiner's specific reasons for rejecting claims 28, 29, 37, 40-44, and 53. [*See* Answer at pp. 3-4.] Applicants also respectfully disagree with the Examiner's statement that claims 28-35, 37-52 and 54-56 "do not teach or define above the correspondingly rejected claims, save for the reasons given below, and are thus rejected for the reasons given" for the rejection of claim 53. [*See* Answer at p. 3.] Applicants respond in detail below with reference to specific claims.

1. Reply to Examiner's Analysis of Independent Claim 53

Fawcett's description of automatic installation of software does not teach a single distribution file comprising software, an installer co-resident in the file with the software, an extractor co-resident in the file with the software, and installer starting instructions arranged within the file to be automatically executed upon completion of extraction.

Section 102(e) requires that the reference teach every element of the claim. According to the M.P.E.P., for a cited reference to anticipate a claim, "The identical invention must be shown in as complete detail as is contained in the . . . claim." [*See* M.P.E.P. § 2131, quoting *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989).] Appellants believe that the Examiner has not met the burden of establishing that claim 53 is anticipated by Fawcett.

Although Fawcett discusses different ways to install software, Fawcett does not teach, for example, "an installer co-resident in the distribution file with the software, the installer operable to install the software; an extractor co-resident in the distribution file with the software, the extractor operable to extract the software from the distribution file and automatically invoked upon execution of the distribution file; and installer starting instructions arranged within the distribution file to be automatically executed upon completion of extraction of the software, the installer starting instructions operable to start the installer to install the software," as recited in claim 53.

The Examiner cites col. 8, lines 40-63 and col. 9, lines 52-63 of Fawcett as describing "*an installer co-resident in the distribution file with the software, the installer operable to install the software*." [*See* Answer at p. 3 (emphasis in original).]

Fawcett states:

> . . . Included with the downloaded computer software is an installation application that will be used later by the user to install the computer software. When the transfers are complete, the update service computer terminates the connection to the user computer (108). . . .
> When the user is ready to install the computer software (e.g. the next morning if the computer software was transferred and installed in the middle of the night), the user simply launches the installation application supplied by update service computer.

[Fawcett at col. 9, lines 52-56 and 59-63.] Although Fawcett does describe an "installation application that will be used later by the user," that is "[i]ncluded with the downloaded computer software," Fawcett does not teach "an installer co-resident in the distribution file with the software," as recited in claim 53.

Despite Fawcett's use of the phrase "included with," Fawcett does not have any description of an installer that is "co-resident" in the same file as the software to be installed. The phrase "included with" does not require that the installation application described in Fawcett be co-resident in the same file as the downloaded software described in Fawcett. In fact, Fawcett makes clear that when a

user "choos[es] to have the computer software automatically installed by the update service when it re-connects to the user computer, . . . the installation application *is not downloaded to the user computer.*" [*See* Fawcett at col. 10, lines 1-5 (emphasis added).] Thus, the phrase "included with" in Fawcett does not teach "an installer co-resident in the distribution file with the software," as recited in claim 53.

The Examiner also cites col. 9, lines 40-63 of Fawcett as describing "*installer starting instructions arranged within the distribution file to be automatically executed* [upon] *completion of extraction of the software, the installer starting instructions operable to start the installer to install the software.*" [*See* Answer at p. 3 (emphasis in original).]

Although Fawcett does describe an "installation application that will be used later by the user," that is "[i]ncluded with the downloaded computer software," Fawcett does not teach "installer starting instructions arranged within the distribution file to be automatically executed," as recited in claim 53.

Fawcett does not describe installer starting instructions arranged within the same file as software installable at a computer, an installer, and an extractor. Moreover, Fawcett would not need such "installer starting instructions" to operate. When the Fawcett system provides an installation application to a user, "The user computer is not updated *unless the user personally starts the installation process.*" [*See* Fawcett at col. 9, lines 66-67 (emphasis added).] Fawcett explains that "[l]eaving the user an installation application to execute is an added safety and security measure for both the user and the update service." [*See* Fawcett at col. 9, lines 64-66.] Although "the user can also choose to have the computer software automatically installed by the update service when it re-connects to the user computer," Fawcett makes clear that, "[i]n this case, the installation application *is not downloaded to the user computer.*" [*See* Fawcett at col. 10, lines 1-5 (emphasis added).] Thus, in Fawcett, there is no description of, and no need for, "installer starting instructions arranged within the distribution file to be automatically executed," as recited in claim 53.

Fawcett also does not describe "an extractor co-resident in the distribution file with the software, the extractor operable to extract the software from the distribution file and automatically invoked upon execution of the distribution file."

For at least these reasons, the rejection of claim 53 should be reversed.

2. Reply to Examiner's Analysis of Independent Claim 28 and Dependent Claim 29

Appellants believe that the Examiner has not met the burden of establishing that claim 28 is anticipated by Fawcett. For example, Fawcett does not teach "placing the desired software in the file; placing instructions for installing the software in the file;" and "placing instructions for automatically invoking the instructions for installing the software in the file," as recited in claim 28.

The Examiner states:

> Per claims, such as claim 28 and claim 29, to create such a computer readable-medium, such a method was inherently required and which further included the file stored at a location referenced and accessible to the remote computer (user computer) via a computer network . . . .

[Answer at p. 4.] Appellants respectfully disagree.

Although Fawcett does describe an "installation application that will be used later by the user," that is "[i]ncluded with the downloaded computer software," Fawcett does not teach placing instructions for installing the software in the same file as the software. Fawcett also does not teach "placing instructions for automatically invoking the instructions for installing the software in the file," as recited in claim 28. When the Fawcett system provides an installation application to a user, "The user computer is not updated *unless the user personally starts the installation process*." [*See* Fawcett at col. 9, lines 66-67 (emphasis added).] Thus, in Fawcett, there is no description of, and no need for, "placing instructions for automatically invoking the instructions for installing the software in the file," as recited in claim 28.

Although the Examiner states that "such a method was inherently required," for an inherency rejection to be proper, a missing element must be *necessarily* present in what is described in the reference. [*See Schering Corp. v. Geneva Pharms., Inc.*, 339 F.3d 1373, 1377, 67 USPQ2d 1664, 1667 (Fed. Cir. 2003).] The Office does not present sufficient evidence that the claimed arrangement must necessarily be present in Fawcett. For example, it does not follow from the descriptions in Fawcett that instructions for installing the software are in the same file as the software, or that instructions for automatically invoking the instructions for installing the software are in the same file as the software.

Because Fawcett does not teach at least one element of independent claim 28, claim 28 is allowable. Dependent claim 29 is also allowable for the reasons given above and for other reasons.

For example, Fawcett does not teach the combination of the above-cited language of claim 28 and "providing to the remote computer a reference to the location accessible to the remote computer via the computer network," as recited in claim 29.

For at least these reasons, the rejections of claims 28 and 29 should be reversed.

3. Reply to Examiner's Analysis of Independent Claim 37

Appellants believe that the Examiner has not met the burden of establishing that claim 37 is anticipated by Fawcett. For example, Fawcett does not teach "wherein the software distribution file comprises the selected software and an installation program for installing the selected software, wherein the software distribution file further comprises means for initiating the installation program upon activation of the software distribution file," as recited in claim 37.

The Examiner states:

> As covered above, col. 8 (line 40) to col. 9 (line 67), accepted an indication from a user at the remote computer of a selected software to be installed on the remote computer and in response, thereto, uploading a software [distribution] file to the remote computer as claimed.

[Answer at p. 4.] Appellants respectfully disagree.

Fawcett does not teach the above-cited language of claim 37. For example, Fawcett does not teach a file that "comprises the selected software and an installation program for installing the selected software," or a file that "further comprises means for initiating the installation program upon activation of the software distribution file."

For at least these reasons, the rejection of claim 37 should be reversed.

4. Reply to Examiner's Analysis of Dependent Claims 40-44

Appellants believe that the Examiner has not met the burden of establishing that independent claim 39 or its dependent claims, 40-45 and 56, are anticipated by Fawcett.

The Examiner states, "Per claims, such as, claim 40 and claim 41, see col. 10 (line 18 'Digital signatures')." [Answer at p. 4.] The Examiner also states:

> Per claims, such as, claims 42-44, see col. 8 (lines 26-58 (specifically line 52 for appropriate directories)) in that backups (col. 8 (line 34)) are required since files are modified "updated" or removed "deleted". Also, changing a file with a new file effectively deletes the old file if the two have the same name for the updated new file.

[*Id.*]

Appellants respectfully disagree that claims 40-44 are anticipated by Fawcett. Fawcett does not describe placing instructions for installing software in the same file with the software to be installed. Fawcett also does not describe placing such instructions "at a location within the file so as to be automatically executed." Therefore, Fawcett does not teach "placing the software in the file; and placing, at a location within the file so as to be automatically executed responsive to execution of the file, instructions for installing the software on the remote computer," as recited in independent claim 39, from which claims 40-44 depend.

For at least these reasons, the rejections of independent claim 39 and it dependent claims, 40-45 and 56, should be reversed.

C.   <u>Reply to Examiner's "Response to Argument"</u>

Applicants respectfully disagree with the Examiner's conclusions in the Examiner's "Response to Argument."

In ¶ 1(a) the Examiner implies that Fawcett teaches "a single file that contains installable software, an installation application, and installation application starting instructions" and "that the installation application is at a location within the file so as to be automatically executed in response to execution of the file." [*See* Answer at p. 4.] Applicants respectfully disagree. Fawcett does not describe a single file that contains installable software, an installation application, and installation application starting instructions. Fawcett also does not describe an installation application at a location within a file such that the installation application would be automatically executed in response to execution of the file.

The Examiner also states that in Fawcett, "the obtained software was a self-extracting packet (file) having both the software to be loaded and also, within the downloaded packet, the installation routines used to automatically install the software once 'launched' by the user." [*See* Answer at p. 4.] Applicants respectfully disagree. Fawcett simply does not mention a "packet" or a "self-extracting file," and Fawcett does not describe a file having both software to be loaded and installation routines to automatically install the software.

Applicants also respectfully disagree with the Examiner's conclusions in ¶¶ 1(b)-1(e) of the Examiner's "Response to Argument," which refer to claims 30 and 39. Applicants respond in detail

below. For the sake of brevity, Applicants do not present separate arguments for all the dependent claims, which are allowable at least because their associated independent claims are allowable.

1. Independent Claim 30

Fawcett does not teach "an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file," as recited in claim 30.

In ¶ 1(b) the Examiner states,

> However, col. 9 (lines 52-53) stated that included with the downloaded computer software was an installation application which, per col. 9 (lines 59-63), clearly taught automatic installation upon execution (launching) of the file.

[Answer at p. 4.]

Applicants respectfully disagree. Although Fawcett does describe an "installation application that will be used later by the user," that is "[i]ncluded with the downloaded computer software," Fawcett still does not teach "an installation program co-resident in the distribution file with the software," as recited in claim 30. Despite Fawcett's use of the phrase "included with," Fawcett does not have any description of an installation program that is "co-resident" in the same file as the software to be installed.

Fawcett also does not describe "executable installation program starting instructions" that are "arranged within" the same file as the software to be installed. Therefore, Fawcett also does not describe "executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file."

In ¶ 1(b) the Examiner also states,

> . . . such would have covered the combined downloaded computer software which included the executable portion of the file which was the installation application as covered in col. 9 (lines 52-53). Since the installation application, which was executable, was included with the software in the download, the two combined formed a file that was executable.

[Answer at pp. 4-5.] And, in ¶ 1(d) the Examiner states,

However, such was expressly taught in col. 9 (lines 52-53) of Fawcett, which states "Included with the downloaded computer software is an installation application"; since the installation application was executable, the downloaded software with installation application was executable.

[Answer at p. 5.] Again, Applicants respectfully disagree that Fawcett teaches the above-cited language of claim 30. Fawcett does not teach that installation application of Fawcett and the downloaded software of Fawcett are "combined," and Fawcett does not teach "an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file," as recited in claim 30.

In ¶ 1(c) the Examiner states,

As indicated above, a distributed "file" is of sufficient scope to encompass col. 9 (lines 52-53) which was executable per col. 9 (lines 59-63) as indicated by the word "launches."

[*See* Answer at p. 5.] Although Fawcett states that "[s]oftware can be distributed over electronic bulletin board systems" [*see* Fawcett at col. 2, lines 10-11], Fawcett still does not teach "an installation program *co-resident in the distribution file with the software*, the installation program operable to install the software; and *executable installation program starting instructions arranged within the distribution file to be automatically executed* responsive to execution of the distribution file," as recited in claim 30.

In ¶ 1(e) the Examiner states that in Fawcett, "downloaded software plus installation application equals a distribution file which when executed ('launched') automatically installs the software into the corresponding directories; the two combined form a distribution file." [*See* Answer at p. 5.] Again, Applicants respectfully disagree that Fawcett teaches the above-cited language of claim 30. Fawcett does not teach that "downloaded software plus installation application equals a distribution file," and Fawcett does not teach "an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file," as recited in claim 30.

For at least these reasons, the rejections of independent claim 30 and its dependent claim, 31, should be reversed.

2. Independent Claim 39

Fawcett does not teach "placing, at a location within the file so as to be automatically executed responsive to execution of the file, instructions for installing the software," as recited in claim 39.

The passages of Fawcett cited by the Examiner in ¶ 1(b), 1(c), 1(d) and 1(e), do not teach "placing, at a location within the file so as to be automatically executed responsive to execution of the file, instructions for installing the software," as recited in claim 39. Although Fawcett does describe an "installation application that will be used later by the user," that is "[i]ncluded with the downloaded computer software," Fawcett still does not teach placing instructions for installing software in the same file as the software, "at a location within the file so as to be automatically executed responsive to execution of the file."

For at least the reasons given above, the rejections of independent claim 39 and its dependent claims, 40-45 and 56, should be reversed.

D. Rejection of Claims 32-35, 38, and 46 Under 35 U.S.C. § 102(e)

1. Independent Claim 32

Claim 32 recites "an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file," and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

2. Independent Claim 33

Claim 33 recites "an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file," and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

3.   Independent Claim 34

Claim 34 recites "an installer co-resident in the distribution file with the software, the installer operable to install the software; . . . and installer starting instructions arranged within the distribution file to be automatically executed upon completion of extraction of the software and the installer," and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

4.   Independent Claim 35

Claim 35 recites "a set of installation instructions co-resident in the distribution file with the software, the installation instructions operable to direct installation of the software; and executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file," and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

5.   Independent Claim 38

Claim 38 recites "installation means co-resident in the distribution file with the software, the installation means operable to install the software; and executable installation starting means arranged within the distribution file to be automatically executed responsive to execution of the distribution file" and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

6.   Independent Claim 46

Claim 46 recites "placing the desired software in the file; placing instructions for installing the software in the file;" and "placing, at a location within the file so as to be automatically executed upon execution of the file, instructions for automatically invoking the instructions for installing the software in the file" and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

For at least these reasons, the final rejection of claims 32-35, 38 and 46 should be reversed.

E.   Rejection of Claims 47-52, 54 and 55 Under 35 U.S.C. § 102(e)

1.   Independent Claim 47

Claim 47 recites "an installation program co-resident in the distribution file with the software, the installation program operable to install the software and arranged within the distribution file to automatically install the software upon execution of the distribution file" and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

For the sake of brevity, Applicants do not present separate arguments for all the dependent claims, which are allowable at least because claim 47 is allowable.

2.   Independent Claim 54

Claim 54 recites "an installer co-resident in the distribution file with the software, the installer operable to install the software and arranged within the distribution file to be automatically executed responsive to execution of the distribution file" and is therefore allowable at least for reasons similar to those stated above in Sections B and C.

3.   Independent Claim 55

Claim 55 recites "code for extracting and installing the software installable at the computer, the code arranged within the distribution file to be automatically executed upon execution of the distribution file" and is therefore allowable at least for reasons similar to those stated above in Sections B and C.
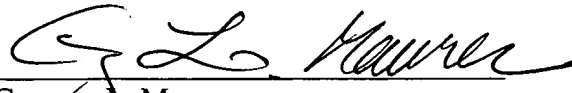
For at least these reasons, the final rejection of claims 47-52, 54 and 55 should be reversed.

II.   <u>CONCLUSION</u>

The final rejection failed to establish anticipation of claims 28-35 and 37-56 by Fawcett. Accordingly, the rejections of these claims should be reversed and all claims should be passed to issue.

Respectfully submitted,

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APPENDIX A: CLEAN COPY OF CLAIMS INVOLVED IN THE APPEAL

28.   A method of providing a file for installing desired software at a remote computer, the method comprising:

placing the desired software in the file;

placing instructions for installing the software in the file;

placing instructions for automatically invoking the instructions for installing the software in the file; and

placing the file in a location accessible to the remote computer via a computer network;

whereby, when the file is retrieved and opened by the remote computer, the instructions for installing the software are automatically invoked to install the desired software.

29.   The method of claim 28 further comprising:

over the computer network, providing to the remote computer a reference to the location accessible to the remote computer via the computer network.

30.   A computer-readable storage medium having a computer-executable distribution file for distributing software to a computer and installing the software on the computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and

executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation program starting instructions operable to start the installation program to install the software.

31.   The computer-readable storage medium of claim 30 wherein the computer-executable distribution file is an executable program.

32.   A computer-readable software program carrier medium having carried thereon a computer-executable distribution file for distributing software to a computer and installing the software on the computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and

executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation program starting instructions operable to start the installation program to install the software.

33.   A computer-readable storage medium having a computer-executable distribution file for distributing and installing software on a computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

an installation program co-resident in the distribution file with the software, the installation program operable to install the software; and

executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation program starting instructions operable to start the installation program to install the software.

34.   A computer-readable storage medium having a distribution file for distributing and installing software on a computer, the distribution file comprising:

software installable at the computer;

an installer co-resident in the distribution file with the software, the installer operable to install the software;

an extractor co-resident in the distribution file with the software, the extractor operable to extract the software and the installer from the distribution file and automatically invoked upon receipt of the distribution file; and

installer starting instructions arranged within the distribution file to be automatically executed upon completion of extraction of the software and the installer, the installer starting instructions operable to start the installer to install the software.

35.   A computer-readable storage medium having a computer-executable distribution file for distributing and installing software on a computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

a set of installation instructions co-resident in the distribution file with the software, the installation instructions operable to direct installation of the software; and

executable installation program starting instructions arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation program starting instructions operable to start the installation instructions to direct installation of the software.

37.   In a server computer in communication with a remote computer over a network, a software system for installing software on the remote computer, the system comprising:

means for accepting an indication from a user at the remote computer that selected software is to be installed on the remote computer;

responsive to the means for accepting, means for uploading a software distribution file to the remote computer, wherein the software distribution file comprises the selected software and an installation program for installing the selected software, wherein the software distribution file further comprises means for initiating the installation program upon activation of the software distribution file; and

means to indicate the distribution file is to be activated to install the selected software.

38.   A computer-readable storage medium having a computer-executable distribution file for distributing and installing software on a computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer;

installation means co-resident in the distribution file with the software, the installation means operable to install the software; and

executable installation starting means arranged within the distribution file to be automatically executed responsive to execution of the distribution file, the installation starting means operable to start the installation means to install the software.

39.   A method of building a file for installing software at a remote computer, the method comprising:

placing the software in the file; and

placing, at a location within the file so as to be automatically executed responsive to execution of the file, instructions for installing the software on the remote computer.

40.   The method of claim 39 further comprising:

combining the file with a digital signature of the file into a digitally-signed file.

41.   The method of claim 39 further comprising:

appending a digital signature of the file to the file.

42.   The method of claim 39 wherein the instructions for installing the software in the file comprise instructions for installing the software in appropriate directories.

43.   The method of claim 39 wherein the instructions for installing the software in the file comprise instructions for deleting files.

44.   The method of claim 39 wherein the instructions for installing the software in the file comprise instructions for updating files.

45.   A computer-readable medium comprising computer-executable instructions for performing the method of claim 39.

46.   A method of building a file for installing desired software at a remote computer, the method comprising:

placing the desired software in the file;

placing instructions for installing the software in the file;

placing, at a location within the file so as to be automatically executed upon execution of the file, instructions for automatically invoking the instructions for installing the software in the file.

47. A computer-readable storage medium having a computer-executable distribution file for distributing software to a computer and installing the software on the computer upon execution of the distribution file, the distribution file comprising:

software installable at the computer; and

an installation program co-resident in the distribution file with the software, the installation program operable to install the software and arranged within the distribution file to automatically install the software upon execution of the distribution file.

48. The computer-readable storage medium of claim 47 wherein the distribution file is combined with a digital signature of the distribution file into a digitally-signed file.

49. The computer-readable storage medium of claim 47 wherein a digital signature of the distribution file is appended to the distribution file.

50. The computer-readable storage medium of claim 47 wherein the installation program comprises instructions for installing the software in appropriate directories.

51. The computer-readable storage medium of claim 47 wherein the installation program comprises instructions for deleting files.

52. The computer-readable storage medium of claim 47 wherein the installation program comprises instructions for updating files.

53.   A computer-readable storage medium having a distribution file for distributing and installing software on a computer, the distribution file comprising:

software installable at the computer;

an installer co-resident in the distribution file with the software, the installer operable to install the software;

an extractor co-resident in the distribution file with the software, the extractor operable to extract the software from the distribution file and automatically invoked upon execution of the distribution file; and

installer starting instructions arranged within the distribution file to be automatically executed upon completion of extraction of the software, the installer starting instructions operable to start the installer to install the software.

54.   A computer-readable storage medium having a distribution file for distributing and installing software on a computer, the distribution file comprising:

software installable at the computer;

an extractor co-resident in the distribution file with the software, the extractor operable to extract the software from the distribution file and automatically invoked upon execution of the distribution file to extract the software from the distribution file; and

an installer co-resident in the distribution file with the software, the installer operable to install the software and arranged within the distribution file to be automatically executed responsive to execution of the distribution file.

55.   A computer-readable storage medium having a distribution file for distributing and installing software on a computer, the distribution file comprising:

software installable at the computer; and

code for extracting and installing the software installable at the computer, the code arranged within the distribution file to be automatically executed upon execution of the distribution file.

56.   A computer-readable medium having stored thereon a file built according to the method of claim 39.